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Preliminary Assessment  
Austin Bluffs Drums Site  
Colorado Springs, Colorado

~~TDD #T00 8905 018~~

EPA ID# COD982587644

September 28, 1990

Submitted to: Pat Smith  
Region VIII USEPA

Submitted by: Barbara Smith  
Barbara Bogema  
Hazardous Materials and  
Waste Management Division  
Colo. Dept. of Health

Reviewed by

*[Signature]*  
DUPLICATE

Preliminary Assessment Report of Contents  
Austin Bluffs Drums Site

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Preliminary Assessment  
Austin Bluffs Drums Site  
Colorado Springs, Colorado  
TDD T08-8905-018

1.0 Introduction

This Preliminary Assessment (PA) of the Austin Bluffs Drums Site in Colorado Springs, Colorado has been prepared as a follow-up to the Environmental Protection Agency (EPA) removal action dated May 6, 1989.

The TDD number of this site is TDD T08 - 8905-018 and the EPA identification number is COD 982587644.

2.0 Objectives

The objectives of this PA are to:

1. characterize potential on-site wastes;
2. assess potential for contamination migration;
3. determine potential impacts to public health and the environment.

3.0 Site Description

3.1 Site location and description

The Austin Bluffs Drum Site is located in eastern Colorado Springs, El Paso County, Colorado (Figure 1). The site is located just north of and adjacent to Austin Bluffs Parkway between Ruby and Farmingdale Roads, approximately 1/4 mile east of Academy Road (Highway 83), (Figure 2). The street address is approximately 5200 Austin Bluffs Parkway. The drums were located in a vacant field adjacent to a dirt road in a drainage, within one hundred yards of the nearest residences.

The area is suburban residential with interspersed open fields. The nearest house is within 100 yards. Children use the area for dirt bike riding. Nearby residents observed the dumping in progress and reported it to the Colorado Springs Fire Department. The approximate site coordinates are 38° 54' 20" north latitude, 104° 44' 35" west longitude (Figure 1).

3.2 Site History

On May 6, 1989, at 1712 hours the Colorado Springs Police Department (CSPD) responded to a report of leaking abandoned drums. Upon arriving at the site, the Colorado Springs Police Department (CSPD) discovered 15 drums (13-55 gallon and 2-20 gallon) in the field, five of which were leaking. The CSPD notified the Colorado Springs Fire Department, the Hazmat Response Unit, and the El Paso County Health Department; all of these agencies responded to the incident. Members of the Hazmat Response Unit righted and overpacked several drums and cleaned up the substance which had spilled. The drums were then secured with barricades and banner guard.

### 3.3 Site Characteristics

The Austin Bluffs Drums Site is located near the south west edge of the Denver Basin. The formations under this site dip to the north-northeast. The Colorado Springs area serves as a recharge area to the Denver Basin due to the outcrops of the Denver and Dawson Formations. Surface geology at the site reflects undivided quarternary deposits.

There are no major surface water bodies located within a two mile radius of the site. Only two intermittent creeks are located within 1/2 mile of the site.

The average relative humidity in Colorado Springs is 54% with less than 15% cloudy days per year. The mean annual precipitation is 15 inches with a mean annual snowfall of 40 inches. The prevailing winds are from the southwest.

### 4.0 Preliminary Pathway Analysis

#### 4.1 Waste Characterization

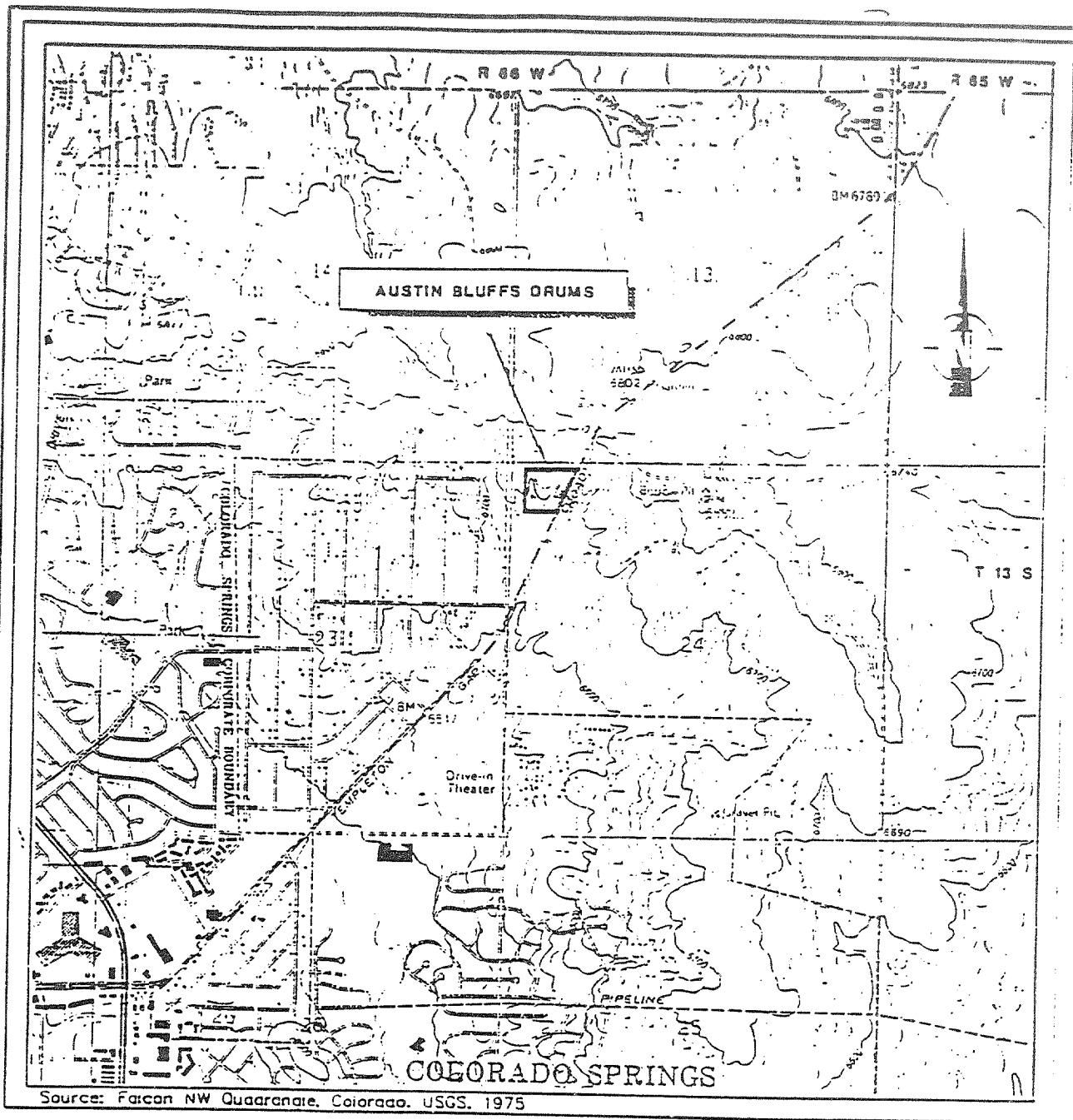
On May 24, 1989, three Technical Assistance Team (TAT) members assigned to the project met the EPA Onscene Coordinator (OSC). Hays Griswold (EPA OSC) and a representative from the El Paso County Health Department (Sandy Friedman) arrived at the site at 0940 hours. Prior to opening the drums, TAT conducted air monitoring with an HNU photoionization detector (with 10.2 eV probe), marked each drum, and collected labeling data from each drum. TAT members then advanced down range in personal protection level B to open the drums, collect samples for field hazard categorization, and to collect air monitoring data from each drum with the HNU.

Approximately 2 to 4 ounces of product was collected for field hazard categorization. TAT members then described each sample and conducted field screening tests on each sample including specific gravity, water reactivity, solubility, pH and flammability. The test for chlorinated hydrocarbons was not conducted because the fire department had previously conducted that test and found no evidence of chlorinated compounds.

At 1130 hours, all hazard categorization was completed, and it was determined that only one waste stream was present. Two composite samples were collected from the product used for field screening and an additional composite sample was collected from drums 1, 3, 4, 5, 6, 9, and 13, all of which contained a significant quantity of the product.

The TAT then departed the site with three 8-ounce liquid drum samples. Two samples, one hazard categorization composite sample and one drum composite sample were submitted to Analytica Incorporated in Golden, Colorado on May 26, 1989, for EP Toxicity and Total Organic Halogen analysis. EPA Chain-of-Custody procedures were adhered to throughout the sampling activity.

Sample results of the drum sample were received from Analytica, Inc., on June 5, 1989. Analysis for total organic halogens and extraction procedure toxicity metals indicated that no parameters were detected at the specified detection limits. A copy of the laboratory results is located in Appendix D.



0 1/2 1 Mile

#### LOCATION MAP

COLORADO



#### LEGEND

□ Site location

TECHNICAL ASSISTANCE TEAM FOR EMERGENCY  
RESPONSE, REMOVAL AND PREVENTION  
EPA CONTRACT 68-01-7368

#### TITLE:

AUSTIN BLUFFS DRUMS  
Colorado Springs, Colorado  
SITE LOCATION MAP

T.O.D. T08-8905-015

ecology & environment, inc.  
DENVER, COLORADO

Fig. 1

Date: 05/89 Drawn by: RSM Scale:

RESIDENTIAL AREA

RUBY ROAD

ACCESS ROAD

Fire Tracks

Drums

AUSTIN BLUFFS ROAD

FARMINGTON ROAD

TECHNICAL ASSISTANCE TEAM FOR EMERGENCY  
RESPONSE, REMOVAL AND PREVENTION  
EPA CONTRACT 68-01-7368

TITLE:

AUSTIN BLUFFS DRUMS  
Colorado Springs, Colorado

DETAILED SITE LOCATION MAP

FOO 108-8905-015

ecology & environment, inc.  
DENVER, COLORADO

Fig. 2

Date: 05/89 Drawn by RSM Scale: NTS

#### 4.2 On-Site Pathway

There is no potential for exposure of human populations to onsite contamination. After the spill was reported the Hazmat Response Unit arrived in a timely manner, righted the drums, contained the spill, cleaned up the contaminated soil (approximately 1/2 of a 55 gallon drum) and secured the site.

#### 4.3 Air Pathway

This site does not pose a threat to human populations or the environment based on potential migration of contaminants via the air pathway. The wastes and contaminated soil were removed from the site.

#### 4.4 Ground Water Pathway

There is no potential for release of contaminants from on-site waste sources into ground water is not appear to be significant based on the timeliness of the spill reporting, containment of wastes and their removal.

Most of the drinking water supplies for the residents of the Austin Bluffs area and the surrounding community are obtained from three municipal wells located within a four mile radius. Also within this four mile radius there are approximately 400 domestic, livestock and irrigation permitted wells and 15 household use only permitted wells.

#### 4.5 Surface Water Pathway

Within a four mile radius of the site there are no major surface water bodies except 2 small intermittent creeks located within a 1/2 mile radius of the site. This site is not located in a flood plain. This site does not pose a threat to the human population or the environment through the surface water pathway.

#### 4.6 Summary of Overall Release Potential for Site.

The Austin Bluffs Drums Site does not pose a significant threat to human health or the environment through the on-site, air, ground water or surface water pathways. Due to the immediate reporting of this incident by the residents of the Austin Bluffs community, there was a timely response of the Hazmat Team, CSPD, Colorado Springs Fire Department and the El Paso County Health Department. The wastes and minimal soil contamination from this spill were adequately contained and mitigated. A follow-up waste analysis and subsequent removal action was completed by the EPA Technical Assistance Team along with the EPA On-Scene Coordinator.

## 5.0 References

Atlas of Ground Water Quality in Colorado, 1981

Climatology of the Front Range Urban Corridor and Vicinity, Colorado,  
Hansen, Chronic and Matlock, US Government Printing Office, Washington,  
DC 1978

Colorado Water Well Permits 1988, Colorado State Engineers Office

EPA file reports:

1. Notification of Hazardous Waste Activity - 8/4/89
2. Initial Polrep - 10/12/89
3. Sampling Activities Report - 6/7/89
4. Preliminary Sampling Results - 6/5/89
5. Workplan for Austin Bluffs Drums

National Water Summary, 1984

Personal interviews with

1. Hays Griswold, EPA/ERB  
Region VIII, July 17, 1990
2. Sandy Friedman, El Paso County Health Department  
August 20, 1990

US Geological Survey, Falcon NW Quadrangle Map, Colorado 1975.

BB/cg/7815

APPENDIX A  
EPA PRELIMINARY ASSESSMENT

SITE / SITE ASSESSMENT

SA\$018

APPENDIX A  
EPA PRELIMINARY ASSESSMENT

COD 9825876544

EPA		POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT		I. IDENTIFICATION	
01 SITE NAME (Legal, common, or descriptive name of site)		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER		01 STATE	02 SITE NUMBER
Austin Bluffs Drum Site		Approx. 5200 Austin Bluffs Parkway		CO	TDD#T000905015
03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Colorado Springs	CO	80907	El Paso	041	CO-05
09 COORDINATES LATITUDE		LONGITUDE			
38°54'20"___		104°44'35"___		Falcon NW Quadrangle	
10 DIRECTIONS TO SITE (Starting from nearest public road)					
The site is located just north of and adjacent to Austin bluffs Parkway between Ruby & Farmingdale Roads, Approx 1/4 mile east of Academy Road(Hwy 83).					
III. RESPONSIBLE PARTIES					
01 OWNER (if known)		02 STREET (Business, mailing, residential)			
UNKNOWN					
03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER		
			( ) .		
07 OPERATOR (if known and different from owner)		08 STREET (Business, mailing, residential)			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER		
			( )		
13 TYPE OF OWNERSHIP (Check one)					
<input type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input checked="" type="checkbox"/> G. UNKNOWN					
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)					
<input type="checkbox"/> A. RCRA 3001 DATE RECEIVED: ____/____/____ <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (RCRA 113 d) DATE RECEIVED: ____/____/____ <input checked="" type="checkbox"/> C. NONE					
IV. CHARACTERIZATION OF POTENTIAL HAZARD					
01 ON SITE INSPECTION		BY (Check all that apply)			
<input checked="" type="checkbox"/> YES DATE 05 / 06 / 89 <input type="checkbox"/> NO		<input checked="" type="checkbox"/> A. EPA <input checked="" type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input checked="" type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify)			
CONTRACTOR NAME(S): _____					
02 SITE STATUS (Check one)		03 YEARS OF OPERATION			
<input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		1989    1989 <input type="checkbox"/> UNKNOWN BEGINNING YEAR    ENDING YEAR			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED					
Drums containing a black viscous liquid believed to be paint waste and painting equipment cleaning waste					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION					
The threat to the public was determined to be potential fire or explosion					
V. PRIORITY ASSESSMENT					
01 PRIORITY FOR INSPECTION (Check one - If high or medium is checked, complete Part 2 - Waste information and Part 3 - Description of Hazardous Conditions and Incidents)					
<input type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspect on time available basis) <input checked="" type="checkbox"/> D. NONE (No further action needed, complete current disposition form)					
VI. INFORMATION AVAILABLE FROM					
01 CONTACT		02 OF (Agency, Organization)		03 TELEPHONE NUMBER	
Hays Griswold		EPA Region VIII, OSC		303' 294-7063	
04 PERSON RESPONSIBLE FOR ASSESSMENT		05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Barbara Bogema		CO Dept. of Health	HM&WMD	303 331-4849	09 / 10 / 89 MONTH DAY YEAR

EPA FORM 2070-12 (7-81)



## Q1 STATE Q2 SITE NUMBER

CO TDD: T088005015

## II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

<input type="checkbox"/> A SOLID	<input type="checkbox"/> E. SLURRY
<input type="checkbox"/> B. POWDER, FINES	<input checked="" type="checkbox"/> F. LIQUID
<input checked="" type="checkbox"/> C. SLUDGE	<input type="checkbox"/> G. GAS
<input type="checkbox"/> D. OTHER _____	

02 WASTE QUANTITY AT SITE  
(Measure of waste quantities must be independent)  
TONS \_\_\_\_\_  
CUBIC YARDS \_\_\_\_\_  
NO. OF DRUMS 16

03 WASTE CHARACTERISTICS (Check all that apply)

<input type="checkbox"/> A TOXIC	<input type="checkbox"/> E SOLUBLE	<input type="checkbox"/> I HIGHLY VOLATILE
<input type="checkbox"/> B CORROSIVE	<input type="checkbox"/> F INFECTIOUS	<input type="checkbox"/> J EXPLOSIVE
<input type="checkbox"/> C RADIOACTIVE	<input type="checkbox"/> G FLAMMABLE	<input type="checkbox"/> K REACTIVE
<input type="checkbox"/> D PERSISTENT	<input checked="" type="checkbox"/> H IGNITABLE	<input type="checkbox"/> L INCOMPATIBLE
		<input type="checkbox"/> M NOT APPLICABLE

### III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	Q1 GROSS AMOUNT	Q2 UNIT OF MEASURE	Q3 COMMENTS
SLU	SLUDGE		}	Sludge, Oily waste and solvent mixed together in 16 Drums
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

#### IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

[illegible]


## V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	N/A		FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		
VI. SOURCES OF INFORMATION					

## VI. SOURCES OF INFORMATION (Add specific references, e.g., State Dept. sample analysis, records)

See section 5.0 of the PA Report.

## OSWER DIRECTIVE 9345.0-01

 <b>POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT</b> <b>PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS</b>		<b>I. IDENTIFICATION</b> 01 STATE   02 SITE NUMBER CO   TDD/WR00000501	
<b>II. HAZARDOUS CONDITIONS AND INCIDENTS</b>			
01 <input type="checkbox"/> A. GROUNDWATER CONTAMINATION	02 <input type="checkbox"/> OBSERVED (DATE: _____)	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____	04 NARRATIVE DESCRIPTION		
Not reported or observed			
01 <input type="checkbox"/> B. SURFACE WATER CONTAMINATION	02 <input type="checkbox"/> OBSERVED (DATE: _____)	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____	04 NARRATIVE DESCRIPTION		
Not reported or observed			
01 <input type="checkbox"/> C. CONTAMINATION OF AIR	02 <input type="checkbox"/> OBSERVED (DATE: _____)	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____	04 NARRATIVE DESCRIPTION		
Not reported or observed			
01 <input type="checkbox"/> D. FIRE/EXPLOSIVE CONDITIONS	02 <input type="checkbox"/> OBSERVED (DATE: _____)	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____	04 NARRATIVE DESCRIPTION		
Not reported or observed			
01 <input type="checkbox"/> E. DIRECT CONTACT	02 <input type="checkbox"/> OBSERVED (DATE: _____)	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____	04 NARRATIVE DESCRIPTION		
Not reported or observed			
01 <input checked="" type="checkbox"/> F. CONTAMINATION OF SOIL	02 <input checked="" type="checkbox"/> OBSERVED (DATE: <u>05/06/89</u> )	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
03 AREA POTENTIALLY AFFECTED: _____	04 NARRATIVE DESCRIPTION		
Approximately 1/2 of 1-55 gallon drum of oily waste contaminated soil was removed from the area			
01 <input type="checkbox"/> G. DRINKING WATER CONTAMINATION	02 <input type="checkbox"/> OBSERVED (DATE: _____)	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____	04 NARRATIVE DESCRIPTION		
Not reported or observed			
01 <input type="checkbox"/> H. WORKER EXPOSURE/INJURY	02 <input type="checkbox"/> OBSERVED (DATE: _____)	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____	04 NARRATIVE DESCRIPTION		
Not reported or observed			
01 <input type="checkbox"/> I. POPULATION EXPOSURE/INJURY	02 <input type="checkbox"/> OBSERVED (DATE: _____)	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____	04 NARRATIVE DESCRIPTION		
Not reported or observed			



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

CO 88000000501

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

Not reported or observed

01 ☐ K. DAMAGE TO FAUNA  
04 NARRATIVE DESCRIPTION (Include names of species)

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

Not reported or observed

01 ☐ L. CONTAMINATION OF FOOD CHAIN  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

Not reported or observed

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES  
(Solvents, oil, sludge, etc.)  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

Not reported or observed

01 ☐ N. DAMAGE TO OFFSITE PROPERTY  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

Not reported or observed

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

Not reported or observed

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING  
04 NARRATIVE DESCRIPTION

02 ☒ OBSERVED (DATE: 05/06/89)

☐ POTENTIAL

☐ ALLEGED

On May 6, 1989, Residents of the Austin Bluffs area in Colorado Springs notified the CS Police Department of a leaking abandoned drum incident, involving 15-55 gal drums.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 1,500

IV. COMMENTS

The removal action from this incident was completed September, 1989 under EPA supervision.

V. SOURCES OF INFORMATION (See specific references, e.g., state files, sampling analysis reports)

See Section 5.0 of PA Report

APPENDIX B  
PRELIMINARY ASSESSMENT QUESTIONNAIRE

Name Barbara Bogema Location Colorado Springs, CO

Site Name Austin Bluffs Drums Date 09/30/90

PA QUESTIONNAIRE

PA Questionnaire  
Page 2

- (A) DOES ANY QUALITATIVE OR QUANTITATIVE INFORMATION EXIST THAT MAY INDICATE AN OBSERVED RELEASE TO AIR, GROUND WATER, SOIL OR SURFACE WATER? Soil

Describe: Approx 1/2 of 1 (55 gallon) drum of Soil was contaminated with oily substance

- (B) IF THE ANSWER TO #1 IS YES, IS THERE EVIDENCE OF DRINKING WATER SUPPLY CONTAMINATION OR ANY OTHER TARGET CONTAMINATION (i.e. food chain, recreation areas, or sensitive environments)? No

- (C) ARE THESE SENSITIVE ENVIRONMENTS WITHIN A 4-MILE RADIUS OR 15 DOWNSTREAM MILES OF THE SITE? No IF YES, DESCRIBE IF ANY OF THE FOLLOWING APPLY:

-Multiple sensitive environments? \_\_\_\_\_

-Federally designated sensitive environment(s)? \_\_\_\_\_

-Sensitive environment(s) downstream on a small or slow flowing surface water body? \_\_\_\_\_

- (D) IS THE SITE LOCATED IN AN AREA OF KARST TERRAIN? No

Describe: \_\_\_\_\_

- (E) DOES THE WASTE SOURCE LIE FULLY OR PARTIALLY WITHIN A WELLHEAD PROTECTION AREA AS DESIGNATED ACCORDING TO SECTION 1428 OF THE SAFE DRINKING WATER ACT? No

Describe: \_\_\_\_\_

- (F) DOES ANY QUALITATIVE OR QUANTITATIVE INFORMATION EXIST THAT PEOPLE LIVE OR ATTEND SCHOOL ON ONSITE CONTAMINATED PROPERTY? No

Describe: \_\_\_\_\_

SITE INFORMATION

1. SITE NAME: Austin Bluffs Drums Site

ADDRESS: Approximately 5200 Austin Bluffs Parkway

CITY: Colo. Springs COUNTY El Paso STATE CO ZIP 80907

EPA ID: \_\_\_\_\_

LATITUDE \_\_\_\_\_ LONGITUDE: \_\_\_\_\_

2. DIRECTIONS TO SITE (From nearest public road):

Just N. of and adjacent to Austin Bluffs Parkway between Ruby and Farmingdale Roads,

approximately 1/4 mi. E. of Academy Road, (HWY 83).

3. SITE OWNERSHIP HISTORY (Use additional sheets, if necessary):

A. Name of current owner: Unknown

Address: \_\_\_\_\_

City: \_\_\_\_\_ County: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Dates: From \_\_\_\_\_ To \_\_\_\_\_ Phone: \_\_\_\_\_

B. Name of previous owner: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ County: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Dates: From \_\_\_\_\_ To \_\_\_\_\_ Phone: \_\_\_\_\_

Source of ownership data: \_\_\_\_\_

4. TYPE OF OWNERSHIP (Check all that apply):

☐ Private ☐ State ☐ Municipal

☐ Federal ☐ County ☒ Other (describe): Unknown

5. NAME OF SITE

OPERATOR: N/A

ADDRESS \_\_\_\_\_

CITY: \_\_\_\_\_ COUNTY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP \_\_\_\_\_

PHONE: \_\_\_\_\_

BACKGROUND/OPERATING HISTORY

6. DESCRIBE OPERATING HISTORY OF SITE: See Section 3.2 of attached PA Report

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Source of information: \_\_\_\_\_

7. DESCRIBE SITE AND NATURE OF SITE OPERATIONS (property size, manufacturing, waste disposal, storage, etc.): See Section 3.1 of attached PA Report

\_\_\_\_\_  
\_\_\_\_\_

Source of information: \_\_\_\_\_

8. DESCRIBE ANY EMERGENCY OR REMEDIAL ACTIONS THAT HAVE OCCURRED AT THE SITE:

See Section 4.1 of attached PA Report

\_\_\_\_\_  
\_\_\_\_\_

Source of information: \_\_\_\_\_

9. ARE THERE RECORDS OR KNOWLEDGE OF ACCIDENTS OR SPILLS INVOLVING SITE WASTES? Yes

Describe: See Section 3.2 of attached PA Report

\_\_\_\_\_  
\_\_\_\_\_

Source of information: \_\_\_\_\_

being timed

10. DISCUSS EXISTING SAMPLING DATA AND BRIEFLY SUMMARIZE DATA QUALITY (e.g., sample objective, age/comparability, analytical methods, detections limits and QA/QC):

See Attached Sampling Activities Report

Source of information:

WASTE CONTAINMENT/HAZARDOUS SUBSTANCE IDENTIFICATION

11. FOR EACH SOURCE AT THE SITE, SUMMARIZE ON TABLE 1 (page 12): 1) Methods of hazardous substance disposal, storage or handling; 2) size/volume/area of all features/structures that might contain hazardous waste; 3) condition/integrity of each storage disposal feature or structure; and 4) types of hazardous substances handled.
12. BRIEFLY EXPLAIN HOW WASTE QUANTITY WAS ESTIMATED (e.g., historical records or manifests, permit applications, photo measurements, etc.):

See Section 3.2 of Attached PA Report

Source of information:

13. DESCRIBE ANY RESTRICTIONS OR BARRIERS ON ACCESSIBILITY TO ONSITE WASTE MATERIALS:

See Section 3.2 of Attached PA Report

Source of information:

GROUND WATER CHARACTERISTICS

14. ANY POSITIVE OR CIRCUMSTANTIAL EVIDENCE OF A RELEASE TO GROUND WATER? No

Describe: \_\_\_\_\_

Source of information: \_\_\_\_\_

15. ON TABLE 2 (page 13), GIVE NAMES, DESCRIPTIONS, AND CHARACTERISTICS OF GEOLOGIC/HYDROGEOLOGIC UNITS UNDERLYING THE SITE.

16. NET PRECIPITATION: See Section 3.3 of attached PA Report

SURFACE WATER CHARACTERISTICS

17. ARE THERE SURFACE WATER BODIES WITHIN 2 MILES OF THE SITE? Yes

\_\_\_\_\_ Ditches    \_\_\_\_\_ Lakes    \_\_\_\_\_ Pond  
Intermittant  
2 \_\_\_\_\_ Creeks    \_\_\_\_\_ Rivers    \_\_\_\_\_ Other \_\_\_\_\_

18. DISCUSS THE PROBABLE SURFACE RUNOFF PATTERNS FROM THE SITE TO SURFACE WATERS:

\_\_\_\_\_  
\_\_\_\_\_

19. PROVIDE A SIMPLIFIED SKETCH OF SURFACE RUNOFF AND SURFACE WATER FLOW SYSTEM FOR 15 DOWNSTREAM MILES (see item #36).

20. ANY POSITIVE OR CIRCUMSTANTIAL EVIDENCE OF SURFACE WATER CONTAMINATION? No

Describe: \_\_\_\_\_

Source of information: \_\_\_\_\_

21. ESTIMATE THE SIZE OF THE UPGRADIENT DRAINAGE AREA FROM THE SITE:      acres

Source of information: \_\_\_\_\_

22. DETERMINE THE AVERAGE ANNUAL STREAM FLOW OF DOWNSTREAM SURFACE WATERS

Water body: \_\_\_\_\_ Flow: \_\_\_\_\_ cfs

Water body \_\_\_\_\_ Flow: \_\_\_\_\_ cfs

Water body \_\_\_\_\_ Flow: \_\_\_\_\_ cfs

Source of information: \_\_\_\_\_

23. IS THE SITE OR PORTIONS THEREOF LOCATED IN SURFACE WATER? No

24. IS THE SITE LOCATED IN A FLOODPLAIN (indicate flood frequency)? No

25. IDENTIFY AND LOCATE (see item #36) ANY SURFACE WATER RECREATION AREA  
WITHIN 15 DOWNSTREAM MILES OF THE SITE: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Source of information: \_\_\_\_\_

26. TWO YEAR 24-HOUR RAINFALL: \_\_\_\_\_

TARGETS

27. DISCUSS GROUND WATER USAGE WITHIN FOUR MILES OF THE SITE: \_\_\_\_\_

See Section 4.4 of the attached PA Report  
\_\_\_\_\_  
\_\_\_\_\_

Source of information: \_\_\_\_\_

28. SUMMARIZE THE POPULATION SERVED BY GROUND WATER ON THE TABLE BELOW:

<u>Distance</u> <u>(miles)</u>	<u>Population</u>
0 - 1/4	<u>100</u>
1/4 - 1/2	<u>300</u>
1/2 - 1	<u>750</u>

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1 - 2                      1350

2 - 3                      \_\_\_\_\_

3 - 4                      \_\_\_\_\_

Source of information: \_\_\_\_\_

29. IDENTIFY AND LOCATE (see item #36) POPULATION SERVED BY SURFACE WATER INTAKES WITHIN 15 DOWNSTREAM MILES OF THE SITE: \_\_\_\_\_

N/A

Source of information: \_\_\_\_\_

30. DESCRIBE AND LOCATE FISHERIES WITHIN 15 DOWNSTREAM MILES OF THE SITE (i.e., provide standing crop of production and acreage, etc.):

None

Source of information: \_\_\_\_\_

31. DETERMINE THE DISTANCE FROM THE SITE TO THE NEAREST OF EACH OF THE FOLLOWING LAND USES

<u>Description</u>	<u>Distance</u> (miles)
Commercial/Industrial	<u>1</u>
Institutional	<u>1/4</u>
Single Family Residential	<u>1 1/2</u>
Multi-Family Residential	<u>2 1/2</u>
Park	<u>3</u>
Agricultural	<u></u>

Source of information: \_\_\_\_\_

32. SUMMARIZE THE POPULATION WITHIN A FOUR-MILE RADIUS OF THE SITE:

<u>Distance</u>	<u>Population</u>
onsite	<u>100</u>
0 - 1/4	<u>300</u>
1/4 - 1/2	<u>750</u>
1/2 - 1	<u>1350</u>
1 - 2	<u>          </u>
2 - 3	<u>          </u>
3 - 4	<u>          </u>

Source of information: \_\_\_\_\_

OTHER REGULATORY INVOLVEMENT

33. DISCUSS ANY PERMITS:

County: N/A \_\_\_\_\_

State: \_\_\_\_\_

Federal: \_\_\_\_\_

Other: \_\_\_\_\_

Source of information: \_\_\_\_\_

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Page 10

34. SKETCH OF SITE

Include all pertinent features, e.g., wells, storage areas, underground storage tanks, waste areas, buildings, access roads, areas of ponded water, etc.. Attach additional sheets with sketches of enlarged areas, if necessary.

See Figures 1 & 2 of Attached PA Report

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35. SURFACE WATER FEATURES

Provide a simplified sketch of surface runoff and surface water flow systems for 15 downstream miles. Include all pertinent features, e.g., intakes, recreation areas, fisheries, gauging stations, etc.

See Figures 1 and 2 of Attached PA Report

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TABLE 1

WASTE CONTAINMENT AND HAZARDOUS SUBSTANCE IDENTIFICATION <sup>1</sup>

SOURCE TYPE	SIZE (Volume/Area)	ESTIMATED Waste Quantity	SPECIFIC COMPOUNDS CONTAINMENT <sup>2</sup>	SOURCES OF INFORMATION
<u>See Attached PA Report &amp; EPA Sampling Analysis Report Dated 6/7/89</u>				

1. Use additional sheets if necessary.
2. Evaluate containment of each source from the perspective of each migration pathway (e.g., ground water pathway - non-existent, natural or synthetic liner, corroding underground storage tank; surface water - inadequate freeboard, corroding bulk air - unstablized slag piles, leaking drums, etc.)

TABLE 2

HYDROGEOLOGIC INFORMATION <sup>1</sup>

STRATA NAME/DESCRIPTION	THICKNESS (ft.)	HYDRAULIC CONDUCTIVITY (cm/sec)	TYPE OF DISCONTINUITY	SOURCE OF INFORMATION

1. Use additional sheets if necessary.

2. Identify the type of discontinuity within four-miles from the site (e.g., river, strata "pinches out", etc).

APPENDIX C  
EPA FILE REPORTS

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved, OMB No. 2050-0028, Expires 9-30-88  
GSA No. 0246-004-0000



# Notification of Hazardous Waste Activity

Please refer to the Instructions Filing Notification before completing this form. The information required here is required by law (Section 3010 of the Resource Conservation and Recovery Act).

For Official Use Only

Comments

C	
C	

Installation's EPA ID Number	Approved	Date Received (yr mo. day)
C F	T/A C 1	

I. Name of Installation  
USEPA Clean  
Austin Bluffs Drums

II. Installation Mailing Address

Street or P.O. Box

3 999 18th ST. Ste. 500 (GRUNMER)

City or Town State ZIP Code

4 Denver CO 8020

III. Location of Installation

Open Field by Street or Route Number

5 Austin Bluffs Parkway

City or Town State ZIP Code

6 Colorado Springs CO

IV. Installation Contact

Name and Title (last, first, and job title) Phone Number (area code and number)

2 Griswold Hays OSC 303 293 1172

V. Ownership

A. Name of Installation's Legal Owner B. Type of Ownership (enter code)

C R unknown

VI. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to instructions.)

A. Hazardous Waste Activity	B. Used Oil Fuel Activities
<input type="checkbox"/> 1a. Generator <input type="checkbox"/> 1b. Less than 1,000 kg./mo. <input type="checkbox"/> 2. Transporter <input type="checkbox"/> 3. Treater/Storer/Disposer <input type="checkbox"/> 4. Underground Injection <input type="checkbox"/> 5. Market or Burn Hazardous Waste Fuel (enter 'X' and mark appropriate boxes below) <input type="checkbox"/> a. Generator Marketer to Burner <input type="checkbox"/> b. Other Marketer <input type="checkbox"/> c. Burner	<input type="checkbox"/> 6. Off-Specification Used Oil Fuel (enter 'X' and mark appropriate boxes below) <input type="checkbox"/> a. Generator Marketer to Burner <input type="checkbox"/> b. Other Marketer <input type="checkbox"/> c. Burner <input type="checkbox"/> 7. Specification Used Oil Fuel Marketer (for On site Burner) Who First Claims the Oil Meets the Specification

VII. Waste Fuel Burning: Type of Combustion Device (enter 'X' in all appropriate boxes to indicate type of combustion device(s) in which hazardous waste fuel or off-specification used oil fuel is burned. See instructions for definitions of combustion devices.)

☐ A. Utility Boiler ☐ B. Industrial Boiler ☐ C. Industrial Furnace

VIII. Mode of Transportation (transporters only — enter 'X' in the appropriate box(es))

☐ A. Air ☐ B. Rail ☐ C. Highway ☐ D. Water ☐ E. Other (specify)

IX. First or Subsequent Notification

Mark 'X' in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your installation's EPA ID Number in the space provided below.

☒ A. First Notification ☐ B. Subsequent Notification (complete item C)

C. Installation's EPA ID Number

COD 982587644

ID — For Official Use Only									
C									
W									
									T/A: C
									1

# X. Description of Hazardous Wastes (continued from front)

A. Hazardous Wastes from Nonspecific Sources. Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from nonspecific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
7	8	9	10	11	12

B. Hazardous Wastes from Specific Sources. Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

C. Commercial Chemical Product Hazardous Wastes. Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48

D. Listed Infectious Wastes. Enter the four-digit number from 40 CFR Part 261.34 for each hazardous waste from hospitals, veterinary hospitals, or medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54

E. Characteristics of Nonlisted Hazardous Wastes. Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. (See 40 CFR Parts 261.21 — 261.24)

☒ 1. Ignitable (D001)


☐ 2. Corrosive (D002)

☐ 3. Reactive (D003)

☐ 4. Toxic (D004)

## XI. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature 	Name and Official Title (type or print) H. Hays Griswold OSC	Date Signed 8/4/89
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